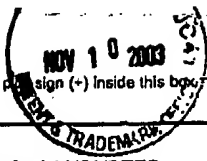


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Substitute for form 1449A/B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	Unassigned
		Filing Date	August 20, 2001
		First Named Inventor	Zaleski
		Group Art Unit	Unassigned 1624
		Examiner Name	Unassigned JMF
Sheet 1 of 1	Attorney Docket Number	212691	

U.S. PATENT DOCUMENTS						
Examiner Initials	Doc. No.	U.S. Patent Document		Name of Patentee or Applicant	Date of Publication	
		Application or Patent Number	Kind Code			
	AA	5,371,199		Therien et al.	Dec. 6, 1994	534/11
	AB	5,986,090		Therien et al.	Nov. 16, 1999	540/145
	AC	6,043,237		Meadows et al.	Mar. 28, 2000	514/185

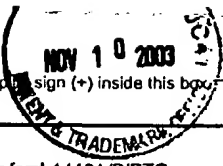
FOREIGN PATENT DOCUMENTS								
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OTHER - NON PATENT LITERATURE DOCUMENTS				
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			Yes	No**
	AD	Nicolaou et al. "Molecular Design and Chemical Synthesis of Potent Enediynes" Chem. Abst., Vol 117: 233658v and 233659w, page 835 (1992)		
	AE	Search report for international patent application no. PCT/US00/04915 dated August 15, 2000 not citable; not published		

Examiner Signature	<i>[Signature]</i>	Date Considered	12/29/03
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Filing Date		August 20, 2001			
First Named Inventor		Zaleski			
Group Art Unit		Unassigned			
Examiner Name		Unassigned			
Attorney Docket Number		212691			
Sheet	1	of	1		

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RR	AE	Search report for international patent application no. PCT/US00/04915 dated August 15, 2000				

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Substitute for form 1449A/B PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known		
				Application Number	09/913,924	
Sheet		1	of	7	Attorney Docket Number	212691
Filing Date		August 20, 2001				
First Named Inventor		Jeffrey M. ZALESKI				
Group Art Unit		Unassigned				
Examiner Name		Unassigned				

U.S. PATENT DOCUMENTS						
Examiner Initials	Doc. No.	U.S. Patent Document		Name of Patentee or Applicant	Date of Publication	
		Application or Patent Number	Kind Code			
RR	AF	09/913,924		Zaleski et al.	02/04/2003	class 346 514 332
		6,514,995				

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RR	AG	ALI et al., "Metal Complexes as Photo- and Radiosensitizers," <i>Chem. Rev.</i> , 99, 2379-2450 (1999)			
RR	AH	BASAK et al., "The Synthesis and Reactivity of Novel Azetidiny Enediynes," <i>Chem. Commun.</i> , 749-750 (1996)			
RR	AI	BERGMAN, "Reactive 1,4-Dehydroaromatics," <i>Accounts of Chemical Research</i> , 6, 25-31 (1973)			
RR	AJ	BONADIES et al., "Vanadium Phenolates as Models for Vanadium in Biological Systems. 1. Synthesis, Spectroscopy, and Electrochemistry of Vanadium Complexes of Ethylenebis [(o-hydroxyphenyl)glycine] and Its Derivatives," <i>J. Am. Chem. Soc.</i> , 108, 4088-4095 (1986)			
RR	AK	BONNETT, "Photosensitizers of the Porphyrin and Phtalocyanine Series for Photodynamic Therapy," <i>Chem. Soc. Reviews</i> , 24, 19-33 (1995)			
RR	AL	BOYLE et al., "Structure and Biodistribution Relationships of Photodynamic Sensitizers," <i>Photochemistry and Photobiology</i> , 64 (3), 469-485 (1996)			
RR	AM	BRANCA et al., "Formation and Structure of the Tris(catecholato)vanadate(IV) Complex in Aqueous Solution," <i>Inorg. Chem.</i> , 29, 1586-1589 (1990)			
RR	AN	CHAPMAN et al., "9,10-Dehydroanthracene. A Derivative of 1,4-Dehydrobenzene," <i>J. Am. Chem. Soc.</i> , 98 (18), 5703-5705 (1976)			
RR	AO	CHRISTNER et al., "Unmasking the Chemistry of DNA Cleavage by the Esperamicins: Modulation of 4'-Hydrogen Abstraction and Bistranded Damage by the Fucose-Anthranilate Moiety," <i>J. Am. Chem. Soc.</i> , 114, 8763-8767 (1992)			
RR	AP	CHURCHER et al., "Synthesis of the Enediyne Aglycon (\pm)-Calicheamicinone," <i>J. Am. Chem. Soc.</i> , 120, 3518-3519 (1998)			

Examiner Signature	<i>R. R. Rupp</i>	Date Considered	6-27-04
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

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Complete if Known

Application Number

09/913,924

Filing Date

August 20, 2001

First Named Inventor

Jeffrey M. ZALESKI

Group Art Unit

Unassigned

Examiner Name

Unassigned

Attorney Docket Number

212691

U.S. PATENT DOCUMENTS

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			Yes	No**
RR	AQ	CUMMINGS et al., "Luminescent Platinum (II) Complexes of Quinoxaline-2,3-dithiolate," <i>Inorg. Chem.</i> , 34, 2007-2014 (1995)		
RR	AR	CUMMINGS et al., "Tuning the Excited-State Properties of Platinum (II) Diimine Dithiolate Complexes," <i>J. Am. Chem. Soc.</i> , 118, 1949-1960 (1996)		
RR	AS	DAI et al., "Synthesis and DNA Clavage Study of a 10-Membered Ring Enediyne Formed via Allylic Rearrangement," <i>J. Org. Chem.</i> , 64, 682-683 (1999)		
RR	AT	EVENZAHAV et al., "Photochemical Rearrangement of Endiynes: Is a "Photo-Bergman" Cyclization a Possibility?" <i>J. Am. Chem. Soc.</i> , 120, 1835-1841 (1998)		
RR	AU	FUNK et al., "Photochemical Cycloaromatization Reactions of <i>ortho</i> -Dialkynylarenes: A New Class of DNA Photocleaving Agents," <i>J. Am. Chem. Soc.</i> , 118, 3291-3292 (1996)		
RR	AV	GOLIK et al., "Esperamicins, a Novel Class of Potent Antitumor Antibiotics. 2. Structure of Esperamicin X," <i>J. Am. Chem. Soc.</i> , 109, 3461-3462 (1987)		
RR	AW	GOLIK et al., "Esperamicins, a Novel Class of Potent Antitumor Antibiotics. 3. Structures of Esperamicins A1, A2, and A1b," <i>J. Am. Chem. Soc.</i> , 109, 3462-3464 (1987)		
RR	AX	HANGELAND et al., "Specific Abstraction of the 5'(S)- and 4'-Deoxyribosyl Hydrogen Atoms from DNA by Calicheamicin γ_1 ," <i>J. Am. Chem. Soc.</i> , 114, 9200-9202 (1992)		
RR	AY	HOLMES et al., "Models for the Binding Site in Bromoperoxidase: Mononuclear Vanadium (V) Phenolate Complexes of the Hydridotris(3,5-dimethylpyrazolyl)borate Ligand," <i>Inorg. Chem.</i> , 30, 1231-1235 (1991)		
RR	AZ	KANEKO et al., "Photochemical Cycloaromatization of Non-Benzenoid Enediynes," <i>Angew. Chem. Int. Ed.</i> , 38 (9), 1267-1268 (1999)		
RR	BA	KIM et al., "Rapid Bergman Cyclization of 1,2-Diethynylheteroarenes," <i>J. Org. Chem.</i> , 63, 8229-8234 (1998)		
RR	BB	KONIG et al., "Activation of Macrocyclic Biaryl-Enediynes by Metal Ion Coordination," <i>Angew. Chem. Int. Ed. Engl.</i> , 34 (22), 2538-2540 (1995)		

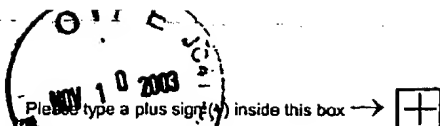
Examiner Signature

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known		
				Application Number	09/913,924	
Sheet		3	of	7	Examiner Name	Unassigned
					Attorney Docket Number	212691

U.S. PATENT DOCUMENTS						
Examiner Initials	Doc. No.	U.S. Patent Document		Name of Patentee or Applicant	Date of Publication	Filing Date If Appropriate
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FOREIGN PATENT DOCUMENTS								
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OTHER - NON PATENT LITERATURE DOCUMENTS					
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RR	BC	KONIG et al., "Synthesis, Structure, and Reactivity of Eneidyne Macrocycles," <i>J. Org. Chem.</i> , 61, 4258-4261 (1996)			
RR	BD	KUSAKABE et al., "Conformation-Selective DNA Strand Breaks by Dynemicin: A Molecular Wedge into Flexible Regions of DNA," <i>Biochemistry</i> , 32, 11669-11675 (1993)			
RR	BE	LEE et al., "Calicheamicins, a Novel Family of Antitumor Antibiotics. 4. Structure Elucidation of Calicheamicins β_1^{Br} , γ_1^{Br} , α_2 , α_3 , β_1 , γ_1 , and δ_1 ," <i>J. Am. Chem. Soc.</i> , 114, 985-997 (1992)			
RR	BF	LEET et al., "Chemistry and Structure Elucidation of the Kedarcidin Chromophore," <i>J. Am. Chem. Soc.</i> , 115, 8432-8443 (1993)			
RR	BG	LI et al., "Vanadium Complexes of the Tridentate Schiff Base Ligand <i>N</i> -Salicylidene- <i>N'</i> -(2-hydroxyethyl)ethylenediamine: Acid-Base and Redox Conversion between Vanadium (IV) and Vanadium (V) Imino Phenolates," <i>Inogr. Chem.</i> , 27, 4657-4664 (1988)			
RR	BH	LOCKHART et al., "Evidence for the Reactive Spin State of 1,4-Dehydrobenzenes," <i>J. Am. Chem. Soc.</i> , 103, 4091-4096 (1981)			
RR	BI	MAGNUS et al., "Synthetic and Mechanistic Studies on Esperamicin A ₁ and Calicheamicin γ_1 . Molecular Strain Rather Than π -Bond Proximity Determines the Cycloaromatization Rates of Bicyclo[7.3.1] Eneidyne," <i>J. Am. Chem. Soc.</i> , 112, 4986-4987 (1990)			
RR	BJ	MAIER, "Design of Eneidyne Prodrugs," <i>Synlett</i> , 13-26 (1995)			
RR	BK	MARTHUR et al., "Cytosine Methylation Enhances DNA Damage Produced by Groove Binding and Intercalating Eneidyne: Studies with Esperamicins A1 and C," <i>Biochemistry</i> , 36, 14868-14873 (1997)			
RR	BL	MINAMI et al., "Structure of an Aromatization Product of C-1027 Chromophore," <i>Tetrahedron Letters</i> , 34 (16), 2633-2636 (1993)			

Examiner Signature	<i>[Signature]</i>	Date Considered	6-27-04
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Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Complete if Known		
			Application Number	09/913,924	
			Filing Date	August 20, 2001	
			First Named Inventor	Jeffrey M. ZALESKI	
			Group Art Unit	Unassigned	
			Examiner Name	Unassigned	
Sheet	4	of	7	Attorney Docket Number	212691

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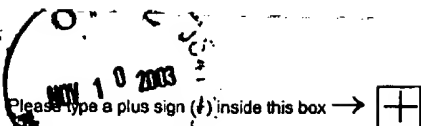
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			Yes	No**	
RR	B M	MYERS et al., "Design and Synthesis of a System of Eneidyne Formation by Anthraquinone Reductive Activation," <i>J. Am. Chem. Soc.</i> , 114, 5859-5860 (1992)			
RR	B N	MYERS et al., "Total Synthesis of (+)-Neocazinostatin Chromophore," <i>J. Am. Chem. Soc.</i> , 120, 5319-5320 (1998)			
RR	B O	KAPPEN et al., "Replication Block by an Eneidyne Drug-DNA Deoxyribose Adduct," <i>Biochemistry</i> , 38, 235-242 (1999)			
RR	B P	NICOLAOU et al., "Cyclic conjugated Eneidyne Related to Calicheamicins and Esperamicins: Calculations, Synthesis, and Properties," <i>J. Am. Chem. Soc.</i> , 110, 4866-4868 (1988)			
RR	B Q	NICOLAOU et al., "Synthesis and Chemistry of Dynemicin A Models," <i>J. Am. Chem. Soc.</i> , 113, 3106-3114 (1991)			
RR	B R	NICOLAOU et al., "Eneidyne Compounds equipped with Acid-, Base- and Photo-Sensitive Triggering Devices. Chemical Simulation of the Dynemicin A Reaction Cascade," <i>Angew. Chem. Int. Ed. Engl.</i> , 30 (8), 1032-1036 (1991)			
RR	B S	NICOLAOU et al., "Design, Synthesis, and Study of Simple Monocyclic Conjugated Eneidyne. The 10-Membered Ring Eneidyne Moiety of the Eneidyne Anticancer Antibiotics," <i>J. Am. Chem. Soc.</i> , 114, 7360-7371 (1992)			
RR	B T	NICOLAOU et al., "Redox-Controlled Bergman Cycloaromatizations. Designed Eneidyne with DNA-Cleaving Properties and Antitumor Activity," <i>J. Am. Chem. Soc.</i> , 114, 9279-9282 (1992)			
RR	B U	NICOLAOU et al., "Chemistry and Biology of Natural and Designed Eneidyne," <i>Proc. Natl. Acad. Sci. USA</i> , 90, 5881-5888 (1993)			
RR	B V	O'BRIEN et al., "Action Spectra of the Antileukemic and Antiviral Activities of Merocyanine 540," <i>Photochemistry and Photobiology</i> , 54 (5), 851-854 (1991)			

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				First Named Inventor	Jeffrey M. ZALESKI
				Group Art Unit	Unassigned
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Sheet	5	of	7	Attorney Docket Number	212691

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RR	BW	OSEROFF et al., "Strategies for Selective Cancer Photochemotherapy; Antibody-Targeted and Selective Carcinoma Cell Photolysis," <i>Photochemistry and Photobiology</i> , 46 (1), 83-96 (1987)					
RP	BX	PANDEY et al., "Porphyrin Dimers as Photosensitizers in Photodynamic Therapy," <i>J. Med. Chem.</i> , 33, 2032-2038 (1990)					
RP	BY	PANDEY et al., "Synthesis, Photophysical Properties, <i>in Vivo</i> Photosensitizing Efficacy, and Human Serum Albumin Binding Properties of Some Novel Bacteriochlorins," <i>J. Med. Chem.</i> , 40, 2770-2779 (1997)					
RR	BZ	RAMKUMAR et al., "Cyclization of Eneidyne Radical Cations through Chemical, Photochemical, and Electrochemical Oxidation: The Role of State Symmetry," <i>J. Org. Chem.</i> , 61, 2247-2250 (1996)					
RP	CA	RESSLER et al., "Creating New Photosensitizers for Cancer Therapy," <i>Chemtech</i> , 28 (3), 39-45 (1998)					
RP	CB	SCHREINER, "Cyclic Eneidyne: Relationship between Ring Size, Alkyne Carbon Distance, and Cyclization Barrier," <i>Chem. Commun.</i> , 483-484 (1998)					
RR	CC	SCHREINER, "Monocyclic Eneidyne: Relationships between Ring Sizes, Alkyne Carbon Distances, Cyclization Barriers, and Hydrogen Abstraction Reactions. Singlet-Triplet Separations of Methyl-Substituted <i>p</i> -Benzynes," <i>J. Am. Chem. Soc.</i> , 120, 4184-4190 (1998)					
RR	CD	SESSLER et al., "Texaphyrins: Synthesis and Applications," <i>Acc. Chem. Res.</i> , 27, 43-50 (1994)					
RP	CE	SHAIN et al., "The Synthesis and Reactivity of a Novel 10-Membered Azaenediynes," <i>Tetrahedron Letters</i> , 38 (34), 6067-6070 (1997)					

Examiner Signature	<i>[Signature]</i>	Date Considered	6-27-01
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			Filing Date	August 20, 2001	
			First Named Inventor	Jeffrey M. ZALESKI	
			Group Art Unit	Unassigned	
			Examiner Name	Unassigned	
Sheet	6	of	7	Attorney Docket Number	212691

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RR	CF	SHAIR et al., "The Total Synthesis of Dynemicin A Leading to Development of a Fully Contained Bioreductively Activated Endiayne Prodrug," <i>J. Am. Chem. Soc.</i> , 118, 9509-9525 (1996)					
RR	CG	SHIRAKI et al., "Visible Light Induced DNA Cleavage by the Hybrid Antitumor Antibiotic Dynemicin A," <i>Biochemistry</i> , 29, 9795-9798 (1990)					
RR	CH	SMITH et al., "The Eneidyne Antibiotics," <i>Journal of Medicinal Chemistry</i> , 39 (11), 2103-2117 (1996)					
RR	CI	SUGIURA et al., "DNA Intercalation and Cleavage of an Antitumor Antibiotic Dynemicin that Contains Anthracycline and Eneidyne Cores," <i>Proc. Natl. Acad. Sci. USA</i> , 87, 3831-3835 (1990)					
RR	CJ	TURRO et al., "Photochemical Analogue of the Bergman Cycloaromatization Reaction," <i>Tetrahedron Letters</i> , 35 (44), 8089-8092 (1994)					
RR	CK	WARNER et al., "Controlled Acceleration and Inhibition of Bergman Cyclization by Metal Chlorides," <i>Science</i> , 269, 814-816 (1995)					
RR	CL	WELLS, "Cancer Gets the Red Light. Pharmacyclics, Inc.," <i>Chemistry & Biology</i> , 4 (10), 775-776 (1997)					
RR	CM	WENDER et al., "A Photochemically Triggered DNA Cleaving Agent: Synthesis, Mechanistic and DNA Cleavage Studies on a New Analog of the Antitumor Antibiotic Dynemicin," <i>J. Org. Chem.</i> , 58 (22), 5867-5869 (1993)					
RR	CN	WISNIEWSKI GRISSOM et al., "Determination of the Activation Parameters for the Bergman Cyclization of Aromatic Eneidyne," <i>J. Org. Chem.</i> , 59, 5833-5835 (1994)					
RR	CO	XI et al., "Mechanistic Studies on the Base-Catalyzed Transformation of Neocarzinostatin Chromophore: Roles of Bulged DNA," <i>Biochemistry</i> , 38, 4342-4354 (1999)					

Examiner Signature	<i>R. P. ...</i>	Date Considered	6-29-04
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- * A concise statement of relevance is being submitted in lieu of a translation. 37 CFR 1.98(a)(3).
 + An English-language equivalent/patent, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of relevance under 37 CFR 1.98(a)(3).

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Complete If Known

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet	7	of	7	Application Number	09/913,924
				Filing Date	August 20, 2001
				First Named Inventor	Jeffrey M. ZALESKI
				Group Art Unit	Unassigned
				Examiner Name	Unassigned
				Attorney Docket Number	212691

U.S. PATENT DOCUMENTS

Examiner Initials	Doc. No.	U.S. Patent Document		Name of Patentee or Applicant	Date of Publication	Filing Date If Appropriate
		Application or Patent Number	Kind Code			

FOREIGN PATENT DOCUMENTS

Examiner Initials	Doc. No.	Foreign Patent Document			Name of Patentee or Applicant	Date of Publication	Translation	
		Office	Application or Patent Number	Kind Code			Yes	No**

OTHER - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Doc. No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number (s), publisher, city and/or country where published.	Translation	
			Yes	No**
RR	CP	XU et al., "Mechanism of Formation of Novel Covalent Drug DNA Interstrand Cross-Links and Monoadducts by Eneidyne Antitumor Antibiotics," <i>Biochemistry</i> , 36, 14975-14984 (1997)		
RR	CQ	XU et al., "DNA Damage Produced by Eneidyne in the Human Phosphoglycerate Kinase Gene in Vivo: Esperamicin A1 as a Nucleosome Footprinting Agent," <i>Biochemistry</i> , 37, 1890-1897 (1998)		
RR	CR	ZEIN et al., "Calicheamicin γ_1 : An Antitumor Antibiotic That Cleaves Double-Stranded DNA Site Specifically," <i>Science</i> , 240, 1198-1201 (1988)		
RR	CS	ZEIN et al., "Exclusive Abstraction of Nonexchangeable Hydrogens from DNA by Calicheamicin γ_1 ," <i>J. Am. Chem. Soc.</i> , 111, 6888-6890 (1989)		
RR	CT	ZEIN et al., "Calicheamicin γ_1 and DNA: Molecular Recognition Process Responsible for Site-Specificity," <i>Science</i> , 244, 697-699 (1989)		

Examiner Signature	<i>RR</i>	Date Considered	6-77-0-1
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